

IN THE CLAIMS:

The following is a complete listing of claims in this application.

1. (currently amended) A light emitting device comprising:

a base member ~~having formed from~~ a plurality of electric conductive members ~~with good heat conductivity and alternating with~~ insulating members, each of the insulating members being disposed to secure and isolate conductive members, the base member presenting first and opposite faces which are composed of alternating conductive and insulating members securing and isolating each conductive member;

a light emitting diode mounted on a side of one of the conductive members on the first face;

an electrically connecting means to connect the light emitting diode and with at least two of the conductive members for applying current to the light emitting ~~element~~ diode;

a sealing member covering the light emitting diode and the electrically connecting means for protection; and

a projection outwardly ~~stretched~~ extended for heat release from ~~the other~~ a side of the conductive member thereon different from the side on which the light emitting diode is mounted.

2. (currently amended) The device according to claim 1 characterized by the conductive member having a contact with wherein the projection is connected to an external cooling member for heat release radiation.

Claims 3-4 (canceled).

5. (currently amended) The device according to claim 2 further comprising an external print substrate secured to the base member at the opposite face thereof and having a through-hole an opening so as to insert the projection of the

conductive member and to contact the projection with the cooling member secured to the print substrate at the other side thereof of the print substrate.

6. (currently amended) The device according to claim + 2 wherein the cooling member has a plurality of cooling fins.

Claim 7 (canceled).

8. (new) A light emitting device comprising:

a base member formed by combining at least first and second electric conductive members and insulating members, each of the insulating members disposed to secure and isolate each of the conductive members;

a circuit substrate mounted on the base member, the circuit substrate having an opening which exposes a part of the upper surface of the first conductive member;

a light emitting diode mounted on the upper surface of the first conductive member within the opening; and

electrical connecting means provided on the circuit substrate for electrically connecting the light emitting diode with at least the second conductive member.

9. (new) The device according to claim 8, further comprising a projection projected from at least a surface different from the upper surface of the first conductive member.

10. (new) The device according to claim 9, further comprising an external cooling member for heat radiation, wherein the projection is connected to the external cooling member.

11. (new) The device according to claim 8, wherein the circuit substrate has at least one circuit pattern secured thereto and at least one wire connected between the circuit pattern and the light emitting diode so as to apply current to the light emitting diode.

12. (new) The device according to claim 9, further comprising an external print substrate secured to the base member at an upper side thereof and having an opening so as to insert the projection of the conductive member and to contact the projection with the cooling member secured to the print substrate at the other side thereof.

13. (new) The device according to claim 10, wherein the cooling member has a plurality of cooling fins.

14. (new) A light emitting device comprising:

a base member formed by combining at least three electric conductive members and insulating members, each of the insulating members being disposed to secure and isolate each of the conductive members;

a circuit substrate mounted on the base member, the circuit substrate having an opening which exposes a part of an upper surface of a first of said conductive members;

a light emitting diode mounted on the upper surface of the first conductive member within the opening;

electrically connecting means provided on the circuit substrate for electrically connecting the light emitting diode with the second and third conductive members;

a projection outwardly extended for heat release from the other side of the upper surface of the first conductive member.

15. (new) The device according to claim 14, wherein the projection is connected to an external cooling member for heat radiation.

16. (new) The device according to claim 14, wherein the circuit substrate has at least one circuit pattern secured thereto and at least one wire connected between the circuit pattern and the light emitting diode so as to apply current to the light emitting diode.

17. (new) The device according to claim 15, further comprising an external print substrate secured to the base member at an upper side thereof and having an opening so as to insert the projection of the conductive member and to contact the projection with the cooling member secured to the print substrate at the other side thereof.

18. (new) The device according to claim 15, wherein the cooling member has a plurality of cooling fins.

LAW OFFICES
DENNISON, SCHULTZ, DOUGHERTY & MACDONALD
SUITE 105
1727 KING STREET
ALEXANDRIA, VIRGINIA 22314-2700
703 837-9600